

PAPER CODE: AHS13011

KALOJI NARAYANA RAO UNIVERSITY OF HEALTH SCIENCES

TELANGANA STATE, WARANGAL – 506 002

B.Sc. (Allied Health Sciences), SECOND YEAR DEGREE SUPPLEMENTARY EXAMINATIONS:

OCTOBER, 2025

CARDIAC AND CARDIOVASCULAR TECHNOLOGY

PAPER II

ELECTROCARDIOGRAPHY, EXERCISE TESTING & HOLTER ANALYSIS

Time: 3 Hours

Max Marks: 80

Note: Draw diagrams whenever necessary with Black Ball point pen /HB pencil /any dark Color pencil.

Write essay on any TWO of the following questions:

2 X 10 = 20

1. Discuss various types of Heart blocks.
2. Indications, contraindications, preparation of patient for Treadmill test with interpretation of results.
3. Holter monitoring, types, indications, interpretation of results.

Write a short note on any FIVE of the following:

5 X 6 = 30

4. Atrial fibrillation; rate & rhythm control treatment options.
5. Sterilization techniques used in Cath lab.
6. Signal acquisition in ECG machine.
7. QT interval.
8. ICD (Implantable Cardioverter Defibrillator).
9. Ventricular Tachycardia.

Write briefly on the following:

10 X 3 = 30

10. Left anterior Fascicular block.
11. Deep T-wave inversion causes.
12. The Electrocardiographic (ECG) paper.
13. ECG changes in Hypokalaemia.
14. Q- waves.
15. ECG findings in Ostium secundum atrial septal defects.
16. Enumerate three points to diagnose RVH.
17. Name catheters used for coronary angiogram.
18. Name PTCA wires used to cross the lesions.
19. What type of Balloons used for PTCA procedure (Percutaneous Transluminal Angioplasty)?
